Its Origin: Introduction into General Use: ture A Great Machine-Shop Described. pose, by a different arrangement. These were issued liked for some purposes.

sucd Feb. 21, 1842, to John J. Greenough of Wash-ington City, but, so far as we can ascertain, his inven-but by a different method; the shuttle performing a tion, whatever it was, was of no practical use to the circuit instead of running back and forth. boilt.

to Benjamin W. Benn of New-York City. This, tion, the public began to realize that sewing could be which a hundred machines are finished every day, though called a servior-machine, was quite unlike done by machinery.

any now in use. The cloth was corrugated, and a long needle thrust through the fold, and then the The most important

The third sewing-machine patent was grant 27, 1843, to Geo. R. Corlies, Greenwich, N. Y., for · machine similar to Greenough's. No machines

ENGLISH INVENTIONS.

The Edinburgh Encyclopædia, Vol. V., 1832, con-"piston needle." known as "Robinson's band-sewing machine," with just such a needle, which threads and unthreads at every stitch; the eye being made with a slide that opess and shuts, and makes a stitch like hand-sew son machine has proved practically successful.

In May, 1829, a patent was granted in London to Henry Bock for a "tambouring-machine," the also es seedle having "two points and one eye." But tam-stitch. ouring is not sewing; and we believe no sewing-

NUMBER OF AMERICAN PATENTS.

The number of patents granted in this country for Three years ago we examined the records of the two band ed patents had been issued, and, what is very remarkable, one hundred and ninety-four of had been issued since the middle of the year 1851. It was about that time that the public mind became fully impressed with the important fact that the invention was a practical one, and that henceforth the great work of the needle would be done by

have a place smong household gods around Ame- invention of A. B. Wilson. rican hearthstenes. The idea of doing family sewing HOWE'S PATENT.

The patent which laid the foundation of a fortune to the inventor, and upon which all practical im-Cambridge, Mass. The original idea of the inventor was a "lock stitch," and this has never been lost which we have seen, bears but little resemblance to sewing cannot be done by machinery. that beautifully polished and gold-and-silver or ament-505 Broadway. The design of Howe's original machine was to hold the cloth perpendicular in front of the machine, and move it by hand. Through the loop of the thread of each witch a little shuttle passed back and forth on a lateriested slide inserting a thread sult is obtained by very different means, and with a much less expenditure of power. There is no doubt the first practical sewing-machine over utilized in such a machine had been made previous to his origi-

ORIGIN OF THE INVENTION.

insure you an independent fortune."

The words sowing-machine and independent

From that moment his mind never rested, though he had no idea how the machine was to be made, or for
In an economical point of view, the invention of

That heek has passed through more than a hundred even after he had accomplished the former.

public was slow to see is, and, like many others, and the many others, it did not bring that "independent fortune" till their sale.

Then there is a vast quantity of lamber made into purpose, and looking boit to the beautiful polished article row packing boxes, in which machines are shipped to almost all parts of the sivilized world. after years of hope deferred. The infancy of sewingmachines needed much nursing, and the invention came near perishing before it was appreciated.

After loog tolling and experimenting, Mr. Howe obtained a patent; but he had spent his last dollar.

way; nor had any one a vision of such a mammoth THE MANUFACTURE OF SEWING-MACHINES. pany at Bridgeport, where two acres of ground are which the manufacture of sewing-machines has atcovered with buildings, with steam machinery suffi- tained in this country. cient to manufacture three hundred sewing-machines

If these who had money for profitable investment his patent for seven years from September, 1861:

The Wheeler & Wilson Company, whose manucould have seen in imagination what we have in reality, the inventor would not have gone to England in hopes of meeting better success there than here, 505 Broadway. where he met only with disappointment. But be met with little else abroad, and soon found that he tory is at Boston, and principal sales depot in Broadmust stay and starve before the English people would way, N. Y. appreciate the advantages of his invention-advantaages that they have since learned, but not to the

profit of the inventor. So poor was he at this time that he "worked his home in a sailing ship, and landed in New- Mare. York permiless, but full of that indomitable Yankee energy that cannot be put down by adverse circumstances. He knew, if the world did not, that he had a machine that would some day be appreciated. IMPROVEMENTS ON HOWE'S MACHINE, AND IN-

obaw, Lowell, Mass., for a contrivance to give a con- son Company at Bridgeport. tineous tension to the thread as it unwound from the bobbin and passed through the eye of the needle

May 8, 1849, John Bachelder of Borton took a patent to regulate the feeding of cloth nutomatically at that establishment, to the machine, and Jonathan S. Conant of Dracus, Progress and Extent of its Manufac- Mass., took one of the same date, for the same paras "improvements' upon Howe's Macline.

The first parent granted in this country for a machine to sew, as a substitute for hand-labor, was ischine to sew, as a substitute for hand-labor, was is-

This evacion of Howe's patent was a benefit to him, because it occasioned a good deal of talk, and as port. The second patent was dated March 4, 1843, issued many of the muchines were made and put in opera-

WILSON'S SEWING-MACHINE PATENTS.

were made for use, except by the inventor, so far as and return for every stitch, Wilson undertook to produce the same result at each move of the shuttle.

"feed motion," now almost universally adopted by men. tains the first notice that we can find of the invention all manufacturers of sowing-machines, and by which that name, but as a "tambouring-machine." It is

described as having an automatic feed motion, and a

Wilson Aug. 12, 1851. This we look upon as the

"piston needle." We find an American purchine." he improvements that have been patented.

power needed to drive the machine, while the stitch-

machine has ever been invented in England, though which has given character to the Wheeler & Wilson machines must be kept separate. Now all are so exscome patents have been granted for improvements. Machine, and although the stitch is the same as actly slike that a thousand pieces are finished and or pirating, upon Howe's Machine, which was introduced and manufactured there before it was perfected knowledges that it is done by a more simple and part of a machine, and never requiring the stroke of ingenious method.

This "rotating book" is upon the end of the main shaft that moves all the work, and is carved out of Here is a man just taking a bed plate from a great sewing-macaines, or "improvements," is remerkable. solid steel by a series of the most ingenious machines pile just unloaded from the foundary. Let us follow years ago we examined the records of the that we ever saw in operation. Indeed it could not bim. It is but a step to a strong machine, upon that we ever saw in operation. Indeed it could not bim. It is but a step to a strong machine, upon be made by any other means, so that every one which he places it, and by a touch of a lever the would be perfect and exactly like every other one. machine is at work and needs no attention until its As it revolves it seizes the loop of the thread in the work is done, and then it stops of its own menition. ucedle the instant it passes through the c'oth, Phis operation planes the bottom of the bed plate, orens it out and carries it around the bobbin, so that and forms the foundation upon which all the parts the thread is then passed through the loop of the are acjusted. It is not planed as quickly as a time the thread is then passed through the loop of the stitch; this is then drawn up with the thread in the board, but just as true, and almost as easily. After needle, so that the two are looped together about stiting this the man moves along to the next many the needle, so that the two are looped together about stiting this the man moves along to the next many the needle, so that the two are looped together about stiting this the man moves along to the next many the next many the needle, so that the two are looped together about stiting this the man moves along to the next many the next many the needle, and the passed through the loop of the stitution of the next many the needle, so that the two are looped together about stiting this the man moves along to the next many the next half-way through the cleth, forming the strongest chine, which is at work cutting the top of a bed The number of putents granted prove the sewingmachine an American invention. It proves, too,
how fully awake the public mind has become
the face to wear off and allow the seam to rip. It is

| Come, which is at work cately from the top of a beautiful possible seam, showing the attached to it. To insure perfect accuracy these
face to wear off and allow the seam to rip. It is

| Come, which is at work cately from the top of a beautiful possible seam, showing the attached to it. To insure perfect accuracy these
face to wear off and allow the seam to rip. It is to its importance, though at first it was slow hard y possible that any mechanical operation can be changes from one machine to another, for all the cutto believe that the sewing-machine would ever conceived that is more simple and effective than this ting and bering-are fixed upon hardened steel guides,

on a machine was declared preposterous, even after it was conceded that the invention would be very useful for manufacturers of clothing.

The patent for the rotating nock was the thirteenth of a nock was the thirteenth of the nock was the nock provements have been raised, and which has almost revolutionized all kinds of manufactures of clothing. revolutionized all kinds of manufactures of clothing, sundry other patents connected with the business, holes, and then it is passed along.

was issued Sept. 10, 1846, to Elias Howe, jr., of and for the manufacture of 'Singer's Sewing-Ma- So it is with the smallest place of pay royalty to him, as do also the Grover & Baker Lefore it is fulshed. sight of in all subsequent improvements and modificaMachines, as well as Wilson's and several others.

SCREW MACHINES.

SCREW MACHINES.

Even the small screws are made upon machines.

this country or Europe, though attempts to produce in near as the one made by the Wheeler & Wilson Ma- forth a wonderful degree of ingenuity to produce it chine, and requires a good deal more thread. Indeed perfectly.

patent, where he heard his employer say to a person who inquired, "Can you make a knitting-machine?" for those of a superior character, though it has in most cases been at the expense of the people, as But first, if you have one of these machines exmany a cheap machine has been purchased and used awhile to plague the owner, and then thrown aside the little bobbin (which carries the lower thread) and tensive than we sufficiented. We judge it must occurred to the little bobbin (which carries the lower thread) and tensive than we sufficiented. "Can you?" the man replied. "If you can, I wid many a cheap machine has been purchased and used smine, as far as you can, this part of it. Take out for a Wheeler & Wilson. These rank first among which in itself is a curiosity. You will observe how cupy one hundred workmen. In making tables, all the truly valuable lock-stitch machines, making a claborately tre metal has been cot away, and how ventor. That was the origin of the sewing-machine.

time acquired. He had not much idea of the latter single-thread machines has not been profitable to the different operations, and the hands of several skillfur world. They are not generally denounced by the workmen, aided by some of the most wonderful mamanufacturers of the lock-stitch s rt, for the rea- chines over invented, each man and machine doing of construction, of ten thicknesses. Important as the invention has proved, the son already stated—they serve their purpose, and the particular allotted part to bring it from the black

OBJECT OF PATENTING IMPROVEMENTS. have been obtained almost solely for the purpose of lengths. Those are then put in a furnace so con enabling the patentee to make and sell a machine structed that it heats only one end of the rods, which and by this means places it out of the power for indiwith his own name as patentee engraved upon it, are taken from the fire and get hot end up in a hole viduals to compete in the manufacture of machines,

Very few persons have an idea of the magnitude

The following persons and companies pay a royalty

The Grover & Baker Company, whose manufac

I. M. Singer & Co., New-York.

Finkle & Lyon, N. Y.

Wilson H. Smith, Birmingham, Conn.

The Florence Sewing-Machine Company, Florence The Parker Sewing-Machine Company, Madison,

Charles W. Howland, Wilmington, Delaware. Miles Greenwood & Co., Cincinnati, Ohio. N. S. C. Perkins, Norwalk, Ohio.

seucd was dated Nov. 28, 1848, to John A. Brai- the mammoth establishment of the Wheeler & Wil- of iron, nor how much labor it requires to reduce the

A brother of Mr. Howe also manufactures a small the other end. number in New-York, and of a style very much

can be done by ingenious mechanists. We do not gether, and develops any flaw that may exist. in the Wheeler & Wilson machine shops at Bridge-

We cannot describe all the curious processes by needle. but we will try to give some general idea of the wonderful art, skill, power, and appliance of ma-

ing. Neither the Edinburgh machine nor the Robin- dirt of lubrication, and requires no addition to the which is made upon the spot, to supply the 600

cs are made more rapidly. A good deal of time is also enved in whiching the bobbins to form the lockstitch.

This invention of the "rotating book" is that which has given characters to the Wheelers required by the working.

HOW THE CAST IRON IS PLANED AND EORED.

This was attresome job when all was done by hand; when each part of each machine was fitted to its fellow by cutting and filing, and when the parts of two a file to adjust it, though the parts may be a thous-

so that it is impossible for one cut to be made amiss. The patent for the rotating book was the thirteenth or a hole to be bored wrong because, before it can

for a plan of "tightening the stitch after the manner no other. Thus, as the bed plate is planed upon the of hand-sewing." Another was granted for the battom in one, it is planed on the tep in another, and ready to learn; the former hard to unlearn, some purpose Aug. 19, 1851, to 1. M. Singer of another cuts away such parts of the metal as may be

ed machine that thousands stop to admire in the show-window of the Wheeler & Wilson Company. No. 500 Broadway. The design of Howe's original may was issued Feb. 6, 1849, to J. B. Johnson and Chas.

claimed to be "clastic," but in our opinion is not so of mechanism in itself, and because it has called 10 d.

The successful originator of the sewing-machine was an apprentice in the shop of a Mr. Davis, in Boston, some three or four years before the date of his content where he hand he was a they have ploneered the way one could purpose, as they have ploneered the way one could purpose, as they have ploneered the way one could purpose, as they have ploneered the way one could purpose, as they have ploneered the way one could purpose, as they have ploneered the way one could purpose, as they have ploneered the way one could be a hard day's propose. An operator where we write, one of the rotating books which the machine of the sewing-machines a gives the Wheeler & Wilson sewing-machines a gives the Wheeler & Wilson sewing-machine and low-priced sewing-machines are still warmed by steam. The machine be run by power, twice that number; the machine of the quad-while the machine of the could be a hard day's one could be a hard

The long round rods of seed, which are all Some of the patents granted have been for real im- half inch in diameter, are put into a machine which that we found in the iron, by substituting machinery ovements and ingenious contrivances; but others accurately measures and cuts them up in proper for manual labor, so that one man, on the average, sewing-machines.

For a certainty, no one had the power of "second sight" to enable him to see the palatial sewing-machine are of those most popular with the public.

way; nor had any one a vision of such as the carried and partially forms the same that attract the curious upon Broadlost if left to be cut out in the lathe. Now commences station. to Mr. Howe, who obtained last year a renewal of a series of operations by turning, sawing, curting, carving and possibling this rough steel bob, by which And here are scores of them who own these next, is much higher-1,500 and 2,000 stitches per minute the beautifully finished article is ultimately produced. bandsome dwellings scattered around East Bridge- not being an unusual average. factory is at Bridgeport, Conn., and salesroomat No. The whole of the machinery is curious, but the one cort, who live in comfort and independence. that was invented by one of the workmen in the establishment, to make all the delicate and accurate Look at them. Watch them as they issue in a stream a minute, and that, too, in a manner far superior to east off the loop of the thread at the exact instant, is is not a stolid face in the whole 409. indeed a wonderful piece of mechanism,

HOW THE NEEDLES ARE MADE. feature of the sewing-machine manufacture. In one the strong light of one of the broadsides of windows. doing a particular portion of the work.

We will say nothing of the labor of digging the cre and certing it to the furnace where the pig Howe's patent was dated Sopt. 10, 1846. The next 1861, 38,285 machines; 19,725 of which were made at that into bars of wrought from nor how steel is made These firms manufactured and sold, in the year fron is made, nor of the process of converting steam fire-engines of the age. It cost \$4,000, and cost, and one form of it was invented to work batton

stances," we can get no returns of the number made long bonch, and see it pass through all this long 'dee of ousy hands, until it comes out in finished needles at

The first man brings the wire under the operation of a cutting-machine, which divides it into lengths So much for the history of the invention; now let suitable to make two needles. These pieces are then placed singly upon a little anvil, upon which a hammer drops and forms the groove at the eye, and at full of clear water extending from one end to the It is a wonder always to see what has been and the same time compresses the wire more firmly to-other. These dies are so formed that a portion of the metal point, and the square form given to the head of the The next operation is drilling the eyes. This, to

cleth being straightened, was held together somewhat me it is by basting by hand. Probably no machines were ever built for sale, but we find a patent for the same model reissued March 10, 1849.

ents ever granted are these nade to A. B. Wilson of the least costly, though heaviest part of the machine, is cast iron. For instance, the legs, the him, is cast iron. For instance, the legs, the for a two-fold improvement of the Howe Machine. The least costly, though heaviest part of the machine, is cast iron. For instance, the legs, the for a two-fold improvement of the Howe Machine. It readle, the fly-wheel, the bed-plate, and several the cognized the "lock-stitch" as the size quality. done mu h more rapidly than we had thought possi- dinner, or take the baby and have a romp with it and Let us suppose a load of pig iron placed upon a car ble. The man takes about a dezen needles between ing a shuttle along a slide, which must be kept well at the Lehigh, Pa. mines, and run directly into the lubicated, and required some power, and had to go works, which are connected by a side track with the works, which are connected by a succeptack with the New-York and New-Haven Railroad, and from that is running constantly in an upright position on the necessary for men who own houses, read newspainto the furnace, thence into the molds which cover bench before him, and we observed that each needle The other improvement of Wilson was in the the floor of one immense room, and employ a score of as it approached the drill, seemed to place itself, so slight was the touch of the operator, in the exact Wheeler & Wilson sewing machines. From the foundary the castings are taken upon position necessary for the operation, and that the eyes were bored faster than we can write the words de-

workmen successively to one who holds each a joint productions were called the "Wheeler & Wilmost ingenious, as well as the most important, of all each floor, which drive two or three tiers of machines upon the center of the floor and fines along moment in a little machine that cuts away the surson Machines." In 1852 they turned out from a each well lighted side. It is a glorious eight to look plus metal toward the point; to another who grinds small shop in Watertown, Conn., eight or ten ma THE ROTATING HOOK-ITS OPERATION.

The ingenuity of tels contrivance is wonderful through all these windows from the cars which pass and finishes up the points on an emery wheel; to auchies a week, mostly hand made, and coarse com-The ingenuity of tess contrivance is wonderful through an iness windows from its remarkable compiled y; it dispenses with the along the front, when all ablive with barning gas, handled separately many times. Every eye is care- the public have appreciated the invention: In 1853,

Every needle has to be deny to merced, every one controls and, finally, after being tempered, every one trade.

The Wheeler & Wilson Company is composed of the Wheeler & Wilson Company is company in the Wheeler & W

the eyes near the points. It is the great amount of SAVING OF MONEY AND LABOR IN THE USE OF hand labor, in a country where mechanics wages are so much higher than in Europe, that makes this kind of needles so expensive. All attempts to subture of needles for American sewing-machines have proved abortive.

The Wheeler & Wilson Company have several times hired English needle-makers, who had served vious knowledge of the business. The latter were

Beside the accuracy of machinery, each workman under other patents.

We give the following item as a trustworthy calcuis provided with a hardened steel gage for the parprovided with a hardened steel gage for the par-cular work at which he is employed, the standard f which is kept in the iron safe in the superin-f which is kept in the iron safe in the superin-nfacturing interests of the United States is estimated at \$312,000,000 annually. The annual saving by the and for the manufacture of 'Singer's Sewing-Machines.' These retain Howe's shuttle movement, and iron; one may pass through half a dozen machines of which is kept in the iron safe in the superinthe piece, each day's work of a finisher is carried to

lefor it is fulsibed.

Series Machines, as well as Wilson's and several other, which retain his lock-sitch, and without which good sewing cannot be done by machinery.

Single-trired Source when the series of the several other works are made upon machines that would cost some \$100 each. As fron red, inspect of the several other works is send feel, 6, 1829, to J. B. Johnson and China. More working is panning, and of the pating, gilding, japanning, and other cutter forms the head and another cuts it off, the principle of nit the single-thread source makes a nort of tambour, or kiniting stitch, by continuously looping the thread is cut as the groove patented. These single-thread machines make a nort of tambour, or kiniting stitch, by continuously looping the thread, and pushing the needle through this forming a chain of stitches in a ridge on the other work and another cuts it for the other work and another cuts it for the other work in the sum of the several off tambour, or kiniting stitch, by continuously looping the thread of the cuts.

The Grover & Baker Machine makes a similar loop that the single-thread machines shade a nort of the more opinion is not of the more opinion is not to be grown and the cuts of the more opinion is not to be grown and the cuts of the more opinion is not to be grown and the cuts of the cuts of the more opinion is not to be grown and the cuts of the cuts of the more opinion is not to be grown and the cuts of the cuts of the more opinion is not to be grown and the cuts of the cuts of the more opinion is not to be grown and the cuts of the more opinion is not to be grown and the cuts of the more opinion is not to be grown and the cuts of the part of the part of the single-thread source of the part of the

rangle, is driven by another engine.

THE WOOD WORK FOR CASES, &C. are formed of lavers of wood crossing the course

The cases, some of which are very rich resewood. or other costly material, are made in the same way.

We counted some of the sides of the cases in course Then there is a vast quantity of lumber made into

does as much as ten men could without machinery,

an inch thick. Two blows from two other hammers rolled up, and his arms begrimed with oil and iron, is, will save tuns of steel by and by, which would be the State Legislature, and who worthly filled the

Do you believe they are men of intelligence?

Look at that mail bag in the cushier's room! will hold hulf a bushel. It often goes out fail of let- are stitched on; folds, tucks, gathers and plaits are church regularly, and most of these do, and write half ing done after elaborate and beautiful designs. of the long rooms that we have mentioned, seated in a bushel of letters on Sunday, don't spend much time we found a goog of men making needles, each one paper. They are "Northern mechanics;" they woolen down to the finest cambric, turning the most make sewing machines, but they are men. THE STEAM FIRE ENGINE.

the bose carriage \$500 more, and it is called the holes. Sommstress," and it is manned by 118 of these We also find that by a recent attachment to the steel bars to rods, and the rods to fine wire, out of sewing-machine makers. "And here, across the Wheeler & Wilson machine that seams can be There is, or was, a sewing-machine manufacturing which the needles are made; but we will start with way," says the President of the Company, "we are corded, or ornamental embroidery by cording can be company at Richmond, Va., but, "owing to cheam- the wire as it unrolls from the coil at one end of the building them a ball and a room for their engine, and put on with great rapidity.

here is their tasteful uniform that they will proudly parade in when all is complete." Besides the fire company, there is an artillery company and a band of music, mostly made up of these workmen.

THE WASH ROOM. What is this room? we inquired, as we looked into one forty or fifty feet long, and saw three troughs

a necessity of the work of boring, turning, cutring, grinding, polishing iron, that it should be covered with oil, and men must get some of it upon their face and hands. Formerly, they had to go home as they were, and those who brought their dinners here had no conveniences of washing before eating. Now watch when the bell strikes, as it will in a minute, and you will see every foot of these long troughs occupied and you will see the men much im proved in their appearance when they go out in the street, and when they get home, ready to sis down to not soil its clothes."

Yes, we see a wash room, in such a manufactory, is one of the improvements of civilization. It is pers, establish libraries, improve public parks, and write letters by the bushel as these do who make

THE NAME OF THIS MACHINE.

The name is accidental. A. B. Wilson was an infinishes the heads; and so on, operation after opera- 1862. The following numbers made in succeeding tion, until the needle is finished. Every needle is years show an unparalleled increase, and the way fully emouthed by having a thread saturated with oil 799; 1854, 956; 1855, 1,171; 1856, 2,210; 1857, 4,591; and coated with fine emery passed rapidly back and lass, 7,978; 1859, 21,306; 1860, 19,265; 1861, 19,725. The make of the last year would have been very Every needle has to be bent to the exact shape re- much larger but for the total annihilation of all South-

temper, and all carefully examined as to finish, before a company of stockholders, which is managed by a President and Directors, and it is only an act of the The most tedious and expensive part of the pro- most simple justice to the stockholders and the public cess appeared to us to be the polishing of the eyes; to say that it is the opinion of the public who know as each needle has to be separately threaded, the end him, that no company ever had a more efficient of the thread being held in the left hand, the needle President than Nathaniel Wheeler, who has never moved rapidly by the right hand until finished. hesitated a moment in the faith that the world would We were told that this process was peculiar to this appreciate a good sewing-machine sufficiently to establishment. In the manufactories of common recompense the manufacturers for an outlay of half needles, they are strong in quantities upon copper a million of dollars in facilities for manufacturing; wires, and these attached to revolving wheels, work-ing in oil and enery, so that the eyes are polished by provement, until the perfection of workmanship and

SEWING MACHINES.

The following calculation only approximates the

saving of time, which is money, by the use of sewstitute the chesp labor of England in the manufacing-machines. The writer gives a fair calculation upon only four articles for which the machine is used. yet look at the sum total. Look, too, at the time saved in every family, and think of the aggreg ste.

If we calculate the annual average profit arising a long apprenticeship at the business, and in all cases from the use of sewing-machines at \$15 each, which found them inferior to Americans, who had no pre- is a very reasonable sum, considering how many of them are in daily use, it would give \$955,125 for those manufactured in the year 1861, under Howe's patent, to say nothing of all previously made, or those made

nt 35 m; 500,000,000 mmatring in matring is estimated, on Men's and Poys' Chelling in New-York City alone. #1,500,000 Hats and Cops. 402,500 Shire R. suns. 522,785 Rests and Shoses in Massachusetts. 7,500,000 It has revolutionized thirty-seven distinct departs.

while by hand, six bosons would be a mart day work.

Sch. Princes, Levell, Boston's days, mass. 18.

Sch. Lady of the Ocean, Tibbetta Providence for ElizabethSch. Lady of the Ocean, Tibbetta Providence for ElizabethSch. Henry Finch, Dewey, York Elver's days, in ballast to
make the school of the Ocean, Tibbetta Providence for ElizabethSch. Henry Finch, Dewey, York Elver's days, in ballast to
make the school of the Ocean, Tibbetta Providence for ElizabethSch. Henry Finch, Dewey, York Elver's days, in ballast to
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make the school of the Ocean, Tibbetta Providence for Elizabethschool of the Ocean, Tibbetta Providence for ElizabethSchr. Henry Finch, Dewey, York Elver's family can afford to do without.

The rewing machine compares with hand labor as the steam engine does with horse-power.

The Wheeler & Wilson Company has prepared tables showing, by actual experiments of four different workers, the time required to stitch each part of a garment by hand, and with this sowing-machine. Subjoined is a summary of several of the tables:

By Machine. By Has ours. Minutes. Hours. Mi 1 16 14 2 38 16 11 14 7 Hour ntlemen's Shirts....1
 Freek Coats
 2

 Fatjn Vests
 1

 Linen Vests
 0

 Cloth Pants
 0
 mmer Pasts......0 Chemise 1
Morren Skirt 9
Muslin Skirt 9

By Hand,

Stitching fine Linen. 23
Schehling Satiu. 24
Stitching SUR. 30
Seaming fine Cloth. 33
Faunt Leether, fine stitching. 7
Fiother Lattice Gatters. 20
Stitching Shoe Vamps. 16
Binding Hate. 32 11 When the machines are driven by power, the ratio

Scams of a considerable length are ordinarily sewed, with the best muchines, at the rate of a yard

Garments are now made entirely by it, with the exception of sewing on buttons and the like. Laces

This branch of the business forms an interesting ters of a Monday morning. Mark! men who go to laid and stitched; cord run to, binding put on, quilt The variety of work done with it is almost incom at the ale-house. Every one of them reads his news- ceivable. It sows leather or cloth, from the stoutest

delicate hem of a lady's handkerchief without any assistance or attention from the operator. It will What have we here? One of the most beautiful stitch up and sew in the sleeves of a gentleman's

For nearly ten years we have had a Wheeler & dinary family sitting room, having purchased one when the plainest sort sold for \$100. From time to time we have adopted most of the new improvements, but the original idea remains, and will forever-We look upon this machine as the good genius of the

household. WHO BUYS AND USES THE MACHINES. It is estimated that there are now in use in the City of New-York and vicinity not less than 20,000 Wheeler & Wilson Sewing-Machines, and there, where they are best known, is where they still sell

Instead of injuring the trade of the seamstress, it has proved to her a blessing. It has created work for her. It is used in such a variety of ways, and so cheapened clothing that it has created demand, and given more employment to sewing women, and im-proved their health and comfort.

A rent collector tells us that he never fears to trus woman who owns one of these machines.

We sire rely hope that the time will soon come

when every foot of the five acres of flooring of the Wheeler & Wilson Sewing-Machine manufactory will be fully occupied by 800 men, who could find room to work, and who, by driving the present machinery, turn out 100,000 sowing-machines in a year. Then they could be still further reduced in price, and then every family could be provided with one of these indispensable articles.

In back N. H. Gaston, from Santa Cruz-Mrs. Cobin and we seen, Mr. McDounid, Mr. Onderdonk.

WINIATURE ALMANAC. Sandy Hock., 3:45 | Gov. Island., 4:35 | Hell-Gate.... 6:16

MARINE JOURNAL.

PORT OF NEW-YORK MAY 23

Ships-Guy Munnering, Dollard, Liverpeol, R. L. Tevlor, Arrayan, Hathaway, Shanghae, Charles B, Fessenden, Droad Ships—Guy Mannering, Bollard, Liverpool, R. L. Tavlot; Arracan, Bathaway, Shanghae, Charles B. Fesseuden; Dreed-nought, Sanuccie, Liverpool, David Ogden.

Bark—Dustow, Talt. Queenstewn, J. C. McArthar.

Brigs—Harvest Queen (Br.). Holls, Mayaguez, J. Y. Constavia & Go.; Abby F. Fennou (Br.). Musseis, Manzandilla, Frest & Chase, Finnet (Br.). Lamb, Tark's Island, D. R. Dowoid.

Schooners—W. Gray, Eucell, Portland, H. S. Backett, M. F. Webb, Buckingham, Phitisliphia, J. & N. Brigs; Expire (Br.). Boe. Hamuton. Bermuda. McCall & Frittly Amer. Small, Georgetown. Metcalf & Duscan; C. A. Varnsworth, Rich. Bangor, R. P. Buck & Co. Levi Rowe (Br.), Keller, Small, Georgetown. Metcalf & Duscan; C. A. Varnsworth, Rich. Bangor, R. P. Buck & Co. Levi Rowe (Br.), Keller, Nassay, N. P., John R. Bason, Mary Allee, Glason, Lubadoes master; Naind Queen, Hulte, Washington, D. G. Yan Brunt & Staght Lone Star (Br.), Vincent, Hallar, J. Hynner & Co.; W. H. Mitsnert, Faton, Philaderphia, I. Show C. W. Hynnon, Beaston, Ship Island, C. A. Morra; Ralph Poet, Rowley, New-Orleans, I. B. Gager, Golden Finos, Hall, St. Pierre R. P. Buck & Co.; John Northup, Rose Turk's Island, D. R. Dewolf.

D. R. Dewolf.
Sloops—Deep River, Hayt, Hartford; Wm. H. Bowen, Brother on, Providence, L. Kenny; Lady Lake, Lake, Nevark; Emily Freeman, Providence, R. S. Siackett.
Steamer—Mars, Nichols, Philadelphia.

THE STEAM POWER.

The machine operator than for hand sewing.

The machine operator than for hand sewing.

The machine operator than for hand sewing.

The number of shirt bosoms manufactured in the city of New-York is estimated at 36,000 per day, or may run tegether or separate, as may be convenient, when cleaning or remaining. The work states around the globe. An operator than for hand sewing.

Etc. OR. W. Tundy. Had heavy N. E. weather most of the passeg. The number of \$10,000,000 annually, forming seams long upward of 10,000,000 annually, forming seams long to extend around the globe. An operator than for hand sewing.

Etc. OR. W. Tundy. Had heavy N. E. weather most of the passeg. The fruit ke, to Smallwood, Earle & Co. Experienced leavy weather.

Some of the passeg. The work is not a supply to a story of the control of the passeg. The supply to a story of the control of the passeg. The supply to the passeg. The fruit ke, to Smallwood, Earle & Co. Experienced leavy weather. weather. Crocus (of Gardiner), Burk, Trinidad, Cubs. April 34, 7 Trask & Desrborn.

brig Lyra, Gray, Etlanbethpert for Boston. Schr. Princess, Lovell, Boston 3 days, mide. to J. C. Dayton

in Tway, Gilman, Fortress Monroe I days, in bal-

S. Quartermaster. Baker (of Harwich), Bakes, Baracoa 12 days, fruit Ackerly, hr. B. Stokley, Colburn, St. Domingo City 13 days, hides in the word to A. C. Rossine & Co. nr. Mogelian, Nunsu, Fortress Monroe 4 days, in ballast Senr. M. geltae, Nunau, Fortress Meuroe 4 days, in ballast and 37 pess, to master. Schr. Nimrod, Patterson, Yorktown 6 doys, in ballast te-

Schr. J. C. Waldron, Small, Elizabethport, coal for Provi-Schr. Time, Harris, Cape Charles 4 days, corn.

Schr. Time, Harris, Cape i harles 4 days, corn.
Schr. W. Stevens. Fors. Elizabethport for Fortsmouth.
Schr. Zales Lamsen. Elizabethport for Fortsmouth.
Schr. Zales Lamsen. Elizabethport for Fortsmouth.
Schr. Columbia, Richards, Elizabethport for Roston.
Schr. Larissa. Osbere. Palindelphia, coal for Boston.
Schr. Larissa. Osbere. Palindelphia, coal for Boston.
Schr. Connecticut, Deans. Andseloven 2 days, in ballast.
Schr. Laritord, Desne. Middelown 2 days, in ballast.
Schr. Daytor, Johnson, Elizabethport for Boston.
Schr. Gevernor, Chaie, Etrabethport for Dennia.
Schr. Gevernor, Chaie, Etrabethport for Boston.
Schr. Banger, Jorda, Elizabethport for Boston.
Schr. Celina. — Elizabethport for Boston.
Steamer Anthractic, Jorce, Philadelphia, måse, te Loper &
Richtstrick.

Steamer Falcon, Williams, Providence, mase to Edward of I.E.O.-Steamship Plantagenet (Br.), for Kingston, Ja. N.J.-Al sunser, from W. Disasters, &c.

The schr. Rapid, from the Upper Lakes, bound down with a cargo of grain, sink off the Elay Banks by collision with ach harragenest, last night. The Rapid was 25 Uses, rated A L (By te STEAMSHIP ORIENTAL-The steamship Oriental nn Bedy Libral, N. C., was an iron built vessel, of 1485 t. rated A I. and built in 1881; was owned by Mora Brethe Navarro & Co., and insured in Wall street for \$15,000.

May 20 off the Highlands, brig H. S. Stelson, from Porto Rico for Boston. - | By phot-boat Mary E. Fish (No. 9).

Dort-Wardens' Notice.

PORT-WARDENS' OFFICE, No. 104 Wall-et.

PORT-WARDENS' OFFICE, No. 104 Wall-et.

NOTICE is hereby given, in accordance with section 4 of the Aut passed April 14, 1857, enauthed An Act to Reorganize the Wardens' Office of the Port of New-York, to all persons interested in, or having charge of, the subject matter of such laquiry, examination, or survey, that subject matter of such laquiry, examination by the Port-Wardens, and that the said surveys or examinations will be completed within tea days next succeeding this notice, on hour said vesses!

Steamship City of Beltimore Pier No. 44 N. R. Steamship Borqueis Pier No. 21 N. R. Steamship Labaum.

At antic Bock. Steamship Labaum. Pier No. 47 E. R. Bark Linds Stewart Pier No. 47 E. R. Bark Linds Stewart Pier No. 48 N. R. Brit Sarah Flags. Pier No. 8 N. Z. Brit Sarah Flags. Pier No. 8 N. Z. Brit Sarah Flags. Pier No. 8 N. Z. Brit Sarah Flags. Pier No. 91 E. R. Schooner Elien Forest Pier No. 1 E. R. Schooner U. R. Smith Pier No. 1 E. R. Schooner U. R. Smith Pier No. 1 E. R. Schooner U. R. C. WM H. EUR-LEUUH, Presents.

Schooner E. Smith. Pier No. 4 N. R. Schooner G R C. WM. H. EURLEIGH, President.

J. Aco's HERRIMAN. Special H. EURLEIGH, President.